

**METHOD AND APPARATUS FOR SILENT FRAME DETECTION IN A  
GSM COMMUNICATIONS SYSTEM**

Abstract of the Disclosure

A method of detecting a silent frame at a mobile station in a GSM  
5 transmission is disclosed. The method comprises first receiving a data burst intended  
for the mobile station. Then, a signal-to-interference-and-noise ratio (SINR) is  
determined for the data burst. If the SINR is below a predetermined threshold, then  
the data burst is determined as from a silent frame.